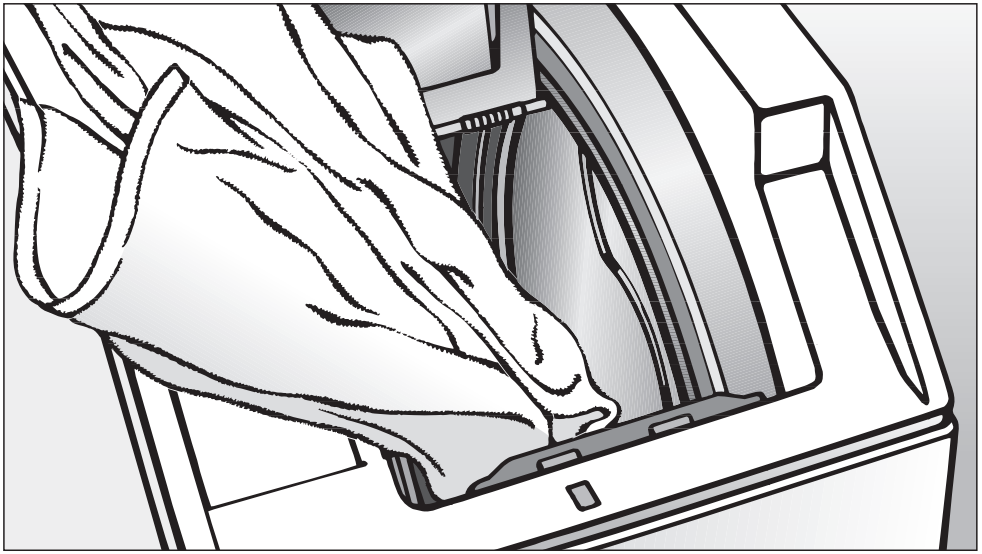
Miele

HONEYCOMB CARE



Operating instructions for Washing machine W 163

To avoid the risk of accidents or damage to the machine it is **essential** to read these operating instructions before it is installed or used for the first time.

GB

M.-Nr. 05 876 060

Caring for our environment

Disposal of the packing material

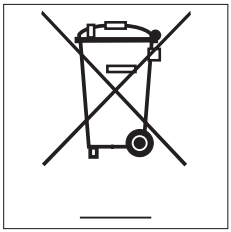
The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance or machine

Electrical and electronic appliances / machines often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance or machine. Please do not therefore dispose of your old machine or appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

It should be unplugged or disconnected from the mains electricity supply by a competent person. The plug must be rendered useless and the cable cut off directly behind it to prevent misuse. See the "Warning and Safety" section of this booklet for further details.

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To avoid the risk of accidents and damage to the machine please read these instructions carefully before using it for the first time. They contain important information on its safety, use and maintenance.
Keep these operating instructions in a safe place and ensure that new users are familiar with the content. Pass them on to any future owner of the machine.

Correct usage

Only use the washing machine to wash items which are specified by the manufacturer to be machine-washable on the wash-care label, and textiles composed of hand-washable wool or wool blend fabrics as well as satin, lace, silk and other hand-washable garments.
Any other applications may be dangerous. The manufacturer is not liable for damage resulting from improper use or operation.

This machine is not a toy! To avoid the risk of injury do not allow children to play on or near it or to play with the controls. Supervise its use by the elderly or infirm.

Technical safety

Before setting up the machine, check it for any externally visible damage. Do not install and use a damaged machine.

Before connecting the machine, ensure that the connection data on the data plate (voltage and connected load) match the mains electricity supply. If in any doubt, consult a qualified electrician.

The electrical safety of this machine can only be guaranteed when continuity is complete between the machine and an effective earthing system which complies with local and national regulations. It is most important that this basic safety requirement is present and regularly tested and where there is any doubt the household wiring system should be inspected by a qualified electrician.
The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

Do not connect the machine to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the machine (e.g. danger of overheating).

The machine is built in accordance with current safety requirements. Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept liability. Repairs should only be undertaken by a Miele approved technician.
Ensure current is not supplied to the appliance until after maintenance or repair work has been carried out.

The machine is only completely isolated from the electricity supply when:

– it is switched off at the wall socket and the plug is withdrawn, or
– it is switched off at the mains, or
– the mains fuse is withdrawn.

This machine must only be connected to the on-site water supply using a new hose kit. Old hoses must not be re-used. Check the hose regularly for signs of wear and tear. Change in good time to avoid the risk of leaks and subsequent damage.

Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.

If the connection cable is faulty it must only be replaced by a Miele approved service technician to protect the user from danger.

In countries where there are areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the machine guarantee.

Use

This equipment may only be used in mobile installations such as ships, caravans, aircraft etc. if a risk assessment of the installation has been carried out by a suitably qualified engineer.

Do not install your washing machine in rooms where temperatures below freezing may occur. Frozen hoses may burst under pressure. The reliability of the electronic control unit may be impaired at temperatures below freezing point.

Before using the machine for the first time, check that the transit fitting at the rear of the machine has been removed (see section on "Installation"). During spinning, a transit fitting which is still in place may result in damage to both the machine and adjacent furniture or appliances.

Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.

Flooding danger.
If hooking the drain hose into a wash basin, check that the water can drain off quickly enough to prevent the sink from overflowing.
Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it.

Take care to ensure that foreign objects (e.g. nails, pins, coins, paper clips) do not find their way into the machine with the laundry. These may damage components of the machine (e.g. suds container, drum), which in turn can result in damage to the laundry.

The transport base lever must be over to the left when the washing machine is in operation. Only then is the stability of the machine guaranteed.

If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale the machine only use proprietary non-corrosive descaling agents and strictly observe the instructions on the packaging.

Textiles which have been pre-treated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.

Never use solvent based cleaning agents in this machine, as this may result in damage to component parts and create toxic fumes. Such detergents also pose a fire and explosion hazard.

Only use dyes specified by the manufacturer as being suitable for use in a domestic washing machine. Always observe the manufacturer's instructions carefully.

Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.

Using accessories

Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims will be invalidated.

Disposal of your old machine

Before discarding an old machine, unplug it. Render the plug useless. Cut off the cable directly behind the appliance to prevent misuse. This should be done by a competent person.

The manufacturer cannot be held liable for damage caused by non-conformance with these Warning and Safety instructions.

Special programmes

– Programme for hand-washable fabrics (Silks)

  Hand-washable fabrics which crease easily and do not contain wool can be washed in the *Silks* programme (30°C temperature only).

– Programme for hand-washable fabrics (Woollens)

  Hand-washable or machine-washable wool or wool blend fabrics can be washed in the *Woollens* programme. If the garment care label does not specify a temperature, wash using the cold setting.

– Programme for small loads (Quick wash)

  This is a Cottons programme for very lightly soiled fabrics.

– Programme for mixed fabrics (Mixed wash)

  Suitable for small loads of garments made from man-made fibres and cotton garments which can be washed together. Sort according to colour.

– Rinse programme (Separate rinse)

  Articles are only rinsed and spun in the machine.

Delicates and Silks programmes

In these programmes, the laundry is washed and spun very gently to reduce creasing and the amount of ironing required, thus providing "Easy care" for your laundry.

Water plus system

The water level for washing and/or rinsing is increased. For *Cottons* and *Minimum iron* programmes an additional rinse can also be selected.

Future updates (PC)

The indicator or check light marked PC allows a service engineer to update your machine in future years.

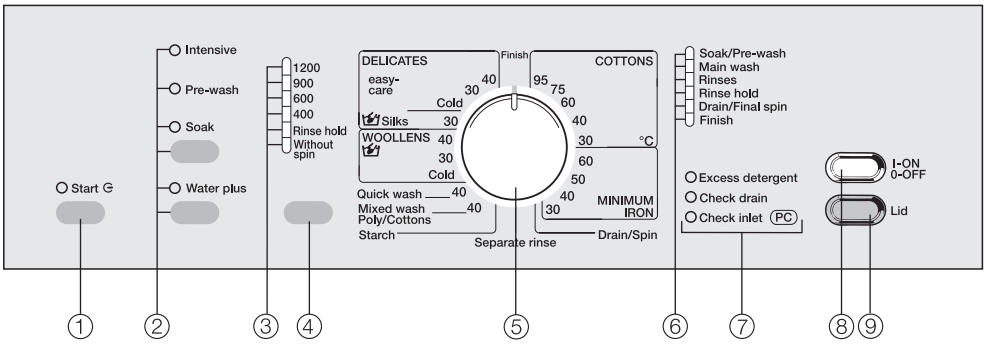
If, for example, new programmes are developed or new fabrics are introduced, a Miele service technician will be able to modify existing programme cycles accordingly.

Miele will provide information when such developments become available.

Automatic drum positioning

At the end of a programme the drum automatically comes to a halt at the correct position for opening.

Control panel



① ***Start*** **button**
starts the wash programme.

② **Additional option buttons**
Additional options can be added to the basic programme.
Use the top button to select the *Intensive*, *Pre-wash*, or *Soak* option or a combination of these options.
Use the lower button to select the *Water plus* option.
Indicator light on = option selected
Indicator light off = option not selected

③ **Indicator lights for spin speed, Rinse hold or Without spin**

④ **Spin button**
for selecting the final spin speed, Rinse hold or Without spin

⑤ **Programme selector**
for selecting the wash programme and temperature for that programme.
The programme selector can be turned clockwise or anti-clockwise.

⑥ **Programme sequence indicator lights**
show which section of the wash programme has been reached

⑦ **Check lights**

⑧ **I-On/0-Off button**
for switching the machine on or off or interrupting a programme

⑨ ***Lid*** **button**
opens the machine lid

Important control panel features

Programme selector

The programme selector is used to set the basic wash programme and the temperature for that programme.

Additional option buttons

Additional options can be added to the basic programme.

Use the top button to select either the *Intensive*, the *Pre-wash* or the *Soak* option or a combination of these options.

Use the lower button to select the *Water plus* option.

The indicator light will come on to show that the additional option has been selected.

If an additional option is chosen, which is incompatible with the basic programme, it cannot be selected.

"Spin" button with indicator lights

Selecting the spin speed

The maximum spin speed which can be selected depends on the basic programme chosen.

Maximum spin speed	Basic programme
1200	Cottons, Woollens, Quick wash, Starch, Separate rinse, Drain/spin
900	Minimum Iron, Mixed wash
600	Delicates
400	Silks

Press the "Spin" button to select a different spin speed. N.B.: you cannot select a spin speed higher than the maximum allowed for the basic wash programme chosen.

The indicator lights show the speed selected.

You can also omit the spin.

■ Press the "Spin" button to reach:

– Rinse hold

The laundry is not spun and remains suspended in the final rinse water. This reduces creasing if the laundry is not going to be removed from the drum immediately after the end of the programme.
To continue the programme select a spin speed. If you want to cancel the programme: press the *Lid* button, so that the machine starts to drain. When the water has drained away, press the *Lid* button again.

– Without spin

The laundry is not spun after the final rinse. Spinning between the rinses is also omitted in this setting (rinse and interim spin).

Before using the machine for the first time ensure that it is correctly installed and connected. See the relevant section under "Installation". Also check that the fluff filter is securely tightened. Otherwise there is a risk of water leakage during use.

For safety reasons spinning is not possible until the machine has been prepared for using for the first time. To activate the spinning function you must run a wash programme without laundry and without detergent.

Using detergent could result in an excessive build-up of foam.

This also activates the ball valve. The ball valve prevents detergent escaping from the suds container into the sump during a wash programme, thus making maximum use of the detergent.

- Open the stopcock.
- Press the *I-On/0-Off* button in.
- Turn the programme selector to *Cottons 40°C*.
- Press the "Spin" button repeatedly to select *Without spin*.
- Press *Start*.

When this programme has finished turn the programme selector to *Finish*. Your washing machine is ready for using for the first time.

Washing environmentally and economically

Energy and water consumption

– Water consumption and energy usage are determined by the size of the load.

– Use the *Mixed wash* or the *Quick wash* programme for smaller amounts of laundry.

– When smaller amounts of laundry are washed in the *Cottons* programmes, the automatic load recognition system will reduce the amount of water, time and energy used. This may mean that the programme duration alters during the course of the wash programme.

– Instead of the *Cottons 95°C* programme, use the *Cottons 60°C* programme together with the *Intensive* additional option. This will give an energy saving of between 35% and 45%. The programme duration will be longer. This combination is sufficient for most levels of soiling. For stubborn or old stains, use the *Soak* option.

Detergent

– Do not exceed the amount of detergent recommended by the manufacturer on the packaging.

– Reduce the amount of detergent with smaller loads (approx. $^1/_3$ less than the amount recommended can be used when washing a half load).

Additional options (Soak, Pre-wash, Intensive)

Select:

a wash programme without any additional options for light to normal soiling where there are no obvious marks.

a wash programme together with the *Intensive* option for normal to heavily soiled laundry with visible staining.

– Use the additional option *Soak* instead of *Pre-wash*. If Soak is followed immediately by a main wash the same suds are used.

When drying with a tumble dryer

– Selecting the highest possible spin speed for the wash programme will save energy when drying in a tumble dryer afterwards.

Brief instructions

Please note:

To help familiarise yourself with your washing machine, please read the sections "Before washing", "Loading the drum and adding detergent", "Selecting a programme" and "At the end of a programme" in detail.

❶ Sort the laundry into colours and fabric types

Loading the drum and adding detergent:

❷ Switch on the washing machine and open the outer and inner lids and the drum

❸ Load laundry loosely in the drum

❹ Close the drum and the inner lid

❺ Add detergent

❻ Close the outer lid

Selecting a programme:

❼ Select a programme

❽ Select a spin speed

❾ Select any additional option required

❿ Start the programme

At the end of a programme:

⓫ Open the outer and inner lids

⓬ Open the drum and remove the laundry

⓭ Close the drum and the inner lid

⓮ Close the outer lid

⓯ Switch off the washing machine

See the "Programme chart" in the next section for information on which programmes to use for different fabric types.

Programme chart

Cottons 30°C to 95°C 95/75/60/40/30	
Fabric	Cottons and linen fabrics, e.g. bed linen, table linen, towelling, jeans, underwear, T-shirts, nappies.
Additional options	Soak, Pre-wash, Intensive, Water plus
Notes	– Only use the *Cottons 95°C* programme for heavily soiled laundry. – For heavy soiling or where staining is visible, use the *Intensive* additional option. – For laundry with stubborn soiling or soiling which has been left untreated for a while, select both the *Intensive* and *Soak* options. – For laundry with large amounts of dirt (e.g. dust, sand) use the *Pre-wash* additional option. – For dark coloured fabrics use a detergent for coloured fabrics, or liquid detergent.
Detergent	Powder detergent, detergent for coloured fabrics, liquid detergent, tablet detergent and liquid tab detergent.
Max. load	5 kg
Note for test institutes: For testing in accordance with EN 60456 **you must** use the *Intensive* option.	
Minimum iron 30°C to 60°C 60/50/40/30/60/40/30	
Fabric	For garments made of synthetic fibres, mixed fibres and for easy care cotton shirts and blouses.
Additional options	Soak, Pre-wash, Intensive, Water plus
Notes	– For heavy soiling or where staining is visible, use the *Intensive* additional option.
Detergent	Powder detergent, detergent for coloured fabrics, liquid detergent, detergent for delicates, tablet detergent and liquid tab detergent.
Max. load	2.5 kg
Note for test institutes: For testing in accordance with EN 60456 **you must** use the *Intensive* option.	

Delicates cold to 40°C 40 30	
Fabric	For delicate garments made of synthetic fibres, mixed fibres and easy care cotton shirts and blouses. Curtains, including net curtains, specified as machine-washable by the manufacturer.
Additional options	Soak, Pre-wash, Intensive
Notes	– For heavy soiling or where staining is visible, use the *Intensive* additional option. – Laundry remains relatively crease-free for easier ironing. – Dust in curtains usually makes using a programme with *Pre-wash advisable*. – For curtains made from delicate fabrics, reduce the spin speed or select Without spin.
Detergent	Liquid detergent for delicates.
Max. load	1 kg
Silks 30°C 30	
Fabric	Hand-washable fabrics with no wool content, e.g. satin, lace and silk.
Additional option	Water plus
Notes	– Laundry remains relatively crease-free for easier ironing. – Place socks, tights, bras etc. in a washing bag.
Detergent	Liquid detergent for delicates.
Max. load	1 kg
Woollens cold to 40°C 40 30	
Fabric	Machine-washable or hand-washable wool or wool blend fabrics. If the care label does not specify a temperature wash using the cold setting. Please note that hand-washable garments will not shrink, stretch, matt or felt beyond the accepted tolerance of the item.
Detergent	Liquid detergent for machine washable woollens.
Max. load	2 kg

Quick wash 40°C 40	
Fabric	Very lightly soiled fabrics, which can be washed in the Cottons programme.
Additional option	Water plus
Notes	– Use less detergent (as for a half load). – If fabrics have a high proportion of man-made fibres it is advisable to programme the machine for "Gentle Action". See "Programmable functions". Note that this programme is not suitable for delicate items.
Detergent	Powder detergent, detergent for coloured fabrics, liquid detergent
Max. load	2.5 kg
Mixed wash 40°C 40 40	
Fabric	Small loads of garments made from man-made fibres and cotton garments which can be washed together. Sort according to colour.
Additional option	Soak, Pre-wash, Intensive, Water plus
Notes	– For heavy soiling where staining is visible, use the *Intensive* additional option. – If fabrics have a high proportion of man-made fibres it is advisable to programme the machine for "Gentle Action". See "Programmable functions".
Detergent	Powder detergent, detergent for coloured fabrics, liquid detergent
Max. load	3 kg
Starch	
Fabric	Table cloths, napkins, overalls, aprons.
Notes	– The laundry should be washed but not treated with fabric conditioner.
Max. load	5 kg
Separate rinse	
Fabric	Articles which have been washed by hand and only need to be rinsed and spun in the machine.
Max. load	5 kg
Drain / Spin	
Notes	– Drain only: Select *Without spin*. Do not use for Woollens.
Max. load	5 kg

Important - other care symbols

	Hand wash (If no temperature is specified use the lowest temperature or cold)
	Do not wash
	Dry clean
	Do not dry clean
	Suitable for chlorine bleaching
	Do not use chlorine bleach

Tumble dry

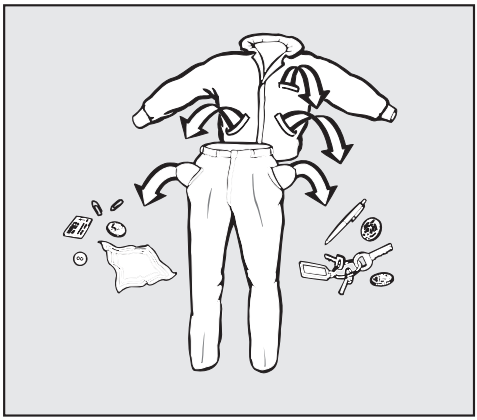
	At normal temperature
	At low temperature
	Do not tumble dry

Ironing

	Hot iron
	Medium hot iron
	Cool iron
	Do not iron

Before washing

❶ Sort the laundry



■ Empty all pockets.

⚠ Foreign objects (e.g. nails, coins, paper clips, etc.) can cause damage to garments and components in the machine.

■ Badly soiled areas, e.g. collars and cuffs, and water soluble stains can be pre-treated with bar soap, liquid detergent or detergent mixed into a solution or paste.

With particularly stubborn stains ask your dry cleaner for advice.

⚠ Do not use solvent-based cleaning agents in this machine.

■ Sort the laundry by colour and by care label symbol. Most garments have a textile care label in the collar or side seam.

Dark textiles often contain excess dye and should be washed separately several times before being washed together with other garments. Always wash whites and coloureds separately.

Delicate textiles should be washed separately in a delicates programme (use a washing bag where appropriate).

– Curtains:
Remove lead weights and strips or place in a laundry bag.

– Underwiring and collar stiffeners:
Any loose wiring in bras, shirt collar stiffeners, etc. should be removed or sewn in.

– Knitted garments, trousers and jeans, T-shirts and sweat shirts:
Turn inside out, if recommended by the manufacturer.

– Close any zips, fasten hooks and eyes etc before washing.

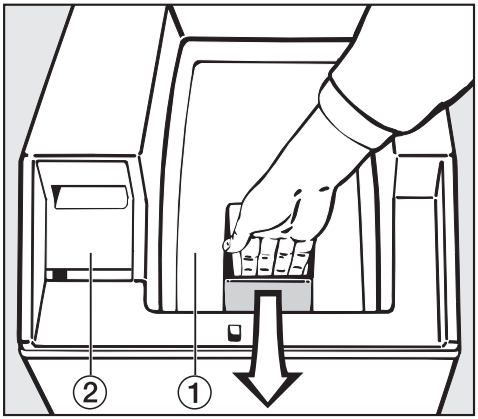
– Fasten duvet covers to prevent smaller items rolling up inside them.

⚠ Do not wash any items in this machine which are specified by the manufacturer as **not washable** on the care label. (🚫 symbol)

Loading the drum and adding detergent

❷ Switch on the washing machine and open the lid

- Press in the *I-ON/0-OFF button.*
- Press the *Lid* button and open the outer lid fully.



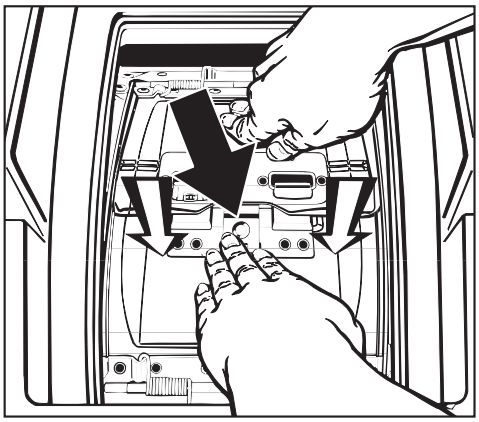
- Open the inner lid.

① Inner lid

② Detergent drawer

⚠ Take care. The drum flaps are spring-loaded.

- Gently press your hand against the rear drum flap.



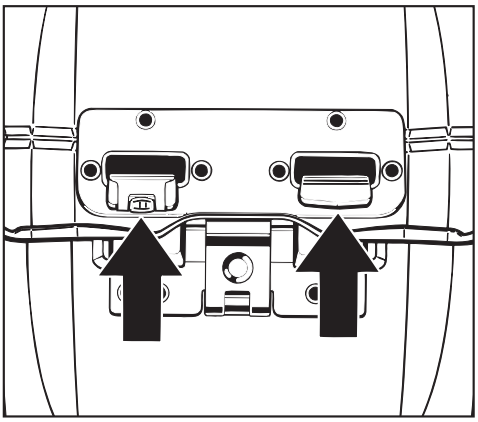
- Press the drum lock **(black arrow)** and at the same time, push the front flap inwards (in the direction of the arrows) until the lock is released.
- Support both flaps and let them swing up.

❸ Load the drum

- Unfold the laundry and load loosely in the drum. To achieve best results it is advisable to make up mixed loads consisting of both large and small items. This improves the washing effect and helps distribute the load evenly to keep the machine stable and reduce the noise level during spinning.

To save energy and water, try to load the maximum for the programme selected.
However, be careful not to overload the machine. Overloading reduces the wash result and causes more creasing.

❹ Close the drum and the inner lid

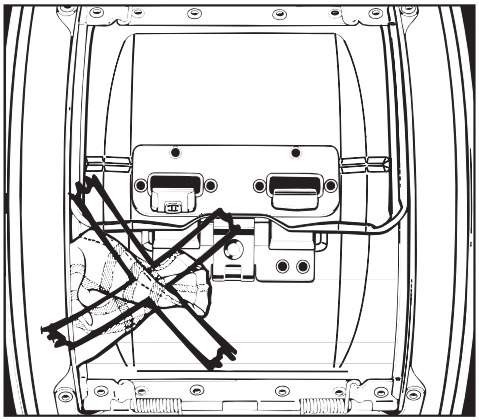


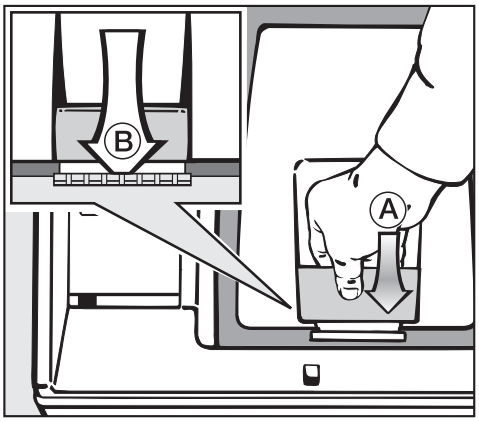
- First press the front, then the rear drum flap until **both** hooks clearly engage.

⚠ Failure to observe these instructions may cause damage to the machine and to the laundry.

- Clean the roller on the left-hand hook of the drum flap regularly to ensure smooth operation.

Take care not to trap items of laundry when closing the drum flaps.





- Before closing the inner lid, pull up the lock Ⓐ, . . .
- . . . and engage properly Ⓑ.

If the inner lid is not closed properly, the wash programme cannot start and the *Excess detergent* check light will flash rapidly.

❺ Add detergent

It is important to dispense the correct amount, because . . .

. . . too little detergent results in:

– Laundry not getting properly clean and over time becoming grey and hard to the touch.

– Greasy particles clinging to the laundry.

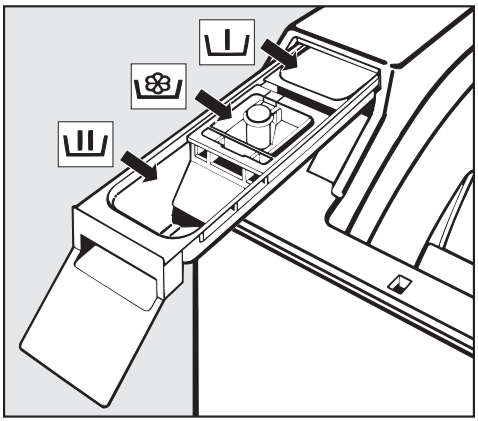
– Limescale deposits building up on the heater elements.

. . . too much results in:

– Excessive foam which causes a low level of agitation and poor wash, rinse and spin results.

– High water consumption (an additional rinse cycle will automatically switch in).

– A burden to the environment.



■ Pull out the detergent drawer and place detergent in the compartments as follows:

I = Detergent for Pre-wash (if selecting Pre-wash, add $^1/_4$ of the total amount recommended). This compartment is also used for starch formulations when starching separately.

II = Detergent for the main wash including Soak

❀ = Fabric conditioner or liquid starch.

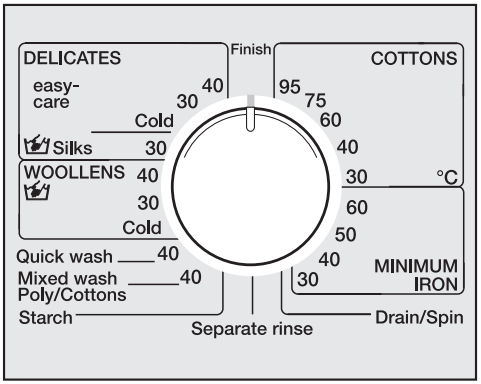
See "Detergent" section for further information on detergent and the amount to dispense.

■ Push in the detergent drawer.

❻ Close the outer lid

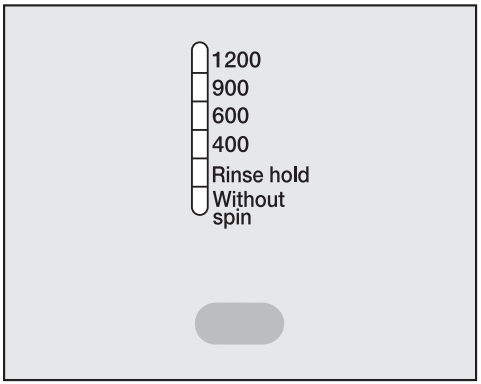
Programme selection

❼ Select a programme



- Turn the programme selector to the required programme.

❽ Select a spin speed



- Press the "Spin" button repeatedly until the indicator light for the spin speed you want comes on.

In some programmes the maximum spin speed is limited. The machine will not allow a higher spin speed to be selected.

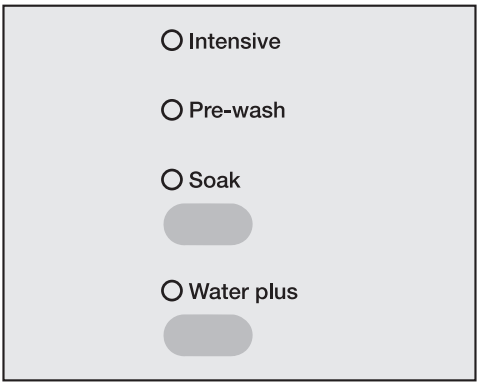
Additional options

❾ Select additional option(s)

Additional options can be selected as long as they are compatible with the basic programme being used.

Each press of the top button selects the additional options in the following order:
Intensive or
Intensive and *Pre-wash* or
Intensive and *Soak* or
Pre-wash or
Soak or
no option.

Use the lower button to select or de-select the *Water plus* option.



- Press the appropriate additional option button. Press the top button repeatedly until the indicator light for the additional option you want comes on.

Intensive

For heavy soiling where staining is visible.

The duration of the main wash is increased.

Pre-wash

For heavily soiled and stained items.

Soak

For heavily soiled and stained items with protein stains (e.g. blood, fats and oils, cocoa).

– A length of time of between 30 minutes and 2 hours can be programmed in 30 minute increments for the soak process.

– The machine is set ex-works with a soak period of 2 hours.

To programme in a different soak period see "Programmable functions – Soak".

Water plus

If you want to increase the water level for a wash process you can choose one of the four options for the *Water plus* button. The options are explained in the section on "Programmable functions - Water plus system".

The machine is set at the factory so that the water level in the main wash and rinses will be increased if the *Water plus* button is pressed.

⑩ Press the *Start* button.

This starts the programme.

The brief "buzzing" noise which can be heard at the beginning of the wash programme is the drum being released from its automatic positioning.

At the end of a programme

⓫ Open the lid

- Press the Lid button.
- Open the outer lid fully.
- Open the inner lid.

⓬ Open the drum and remove the laundry

Check that all items have been removed from the drum. Items left in the drum could discolour other items in the next wash or become discoloured themselves.

⓭ Close the drum and the inner lid

Otherwise there is the danger of objects being placed inadvertently in the drum. If these remained unnoticed and were washed in the next load, they could damage the laundry.

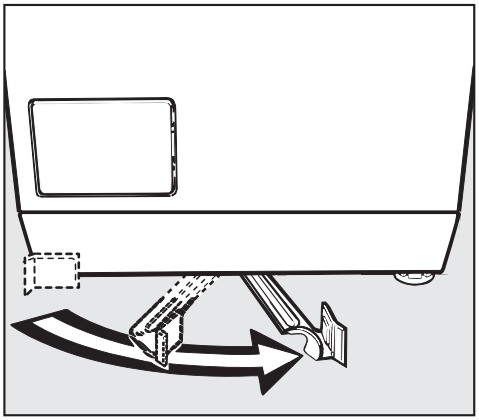
⓮ Close the outer lid

⓯ Switch off the washing machine

- Press and release the *I-On/0-Off* button and turn the programme selector to *Finish*.

Transport base

After washing, the washing machine can be moved to a different place.



- Before moving the machine, swing the transport base lever over to the right.

⚠ Make sure that you do not manoeuvre the machine over cables or hoses.

Important:

A hose and cable clip can be used instead of the plugs supplied (see "Installation - removing the transit fittings") to make it easier to move the machine around. The hose and cable clip is available through your Miele dealer or from the Miele Spare Parts Department.

Adding or removing laundry after a programme has started

Laundry can be added or removed after any programme has already started.

■ Press the *Lid* button once.

The drum will automatically rotate to the correct position for opening. The *Rinse hold* and *Without spin* indicator lights will flash alternately.

You can open the lid once the *Rinse hold* and *Without spin* indicator lights stop flashing and the drum has come to a halt automatically.

■ Press the *Lid* button again.

■ Open the outer lid fully.

■ Open the inner lid.

■ Open the drum.

■ Add or remove items.

■ Close the drum.

■ Close the inner lid properly.

■ Close the outer lid.

The programme will continue automatically.

The door cannot be opened, if:

– the suds temperature is above **55°C**.

– the programme has reached the *Final spin* stage.

Interrupting a programme

■ Switch the washing machine off with the *I-ON / 0-OFF* button.

To continue with the same programme:

■ Switch the machine back on with the *I-ON / 0-OFF* button.

Altering a programme once selected

The machine will accept the following changes after a programme has started:

– at any time after the start, the spin speed can be changed within the limits for the programme.

– up to 6 minutes after the start, a different temperature can be selected for the programme in use and the additional option *Water plus* can be selected or de-selected.

After the start of a programme it is no longer possible to select a different programme.

If the programme selector is moved, the indicator light *Finish* will start flashing. However, the programme sequence remains unaffected. The indicator light will go out again when the programme selector is moved back to the programme previously chosen.

Skipping a programme stage

■ Turn the programme selector to *Finish*.

As soon as the programme sequence indicator light for the programme stage you want the programme to continue at, starts flashing:

■ Turn the programme selector back again to the appropriate programme within 4 seconds.

To cancel / or select a different programme

■ Switch the machine off with the *I-ON / 0-OFF* button.

■ Turn the programme selector to *Finish*.

The programme has now been cancelled.

■ Switch the machine back on with the *I-ON / 0-OFF* button.

■ Select a different programme.

■ Press the *Start* button.

Programme sequence

This washing machine has fully electronic controls with automatic load recognition. It takes in the right amount of water required for the programme depending on the amount of laundry and its absorbency rate. This means that programme cycles and durations can vary.

The programme sequences outlined below are based on the basic programme with a full load. Additional options which can be selected have not been taken into account.

The programme sequence indicator lights show the stage the programme has reached.

Cottons

Main wash
Water level: low
Wash rhythm: normal
Rinses
Water level: medium
No of rinses: 2 or 3[1)]
Spinning
Rinse and interim spin[2)]: yes
Final spin: yes

Minimum Iron

Main wash
Water level: low
Wash rhythm: normal
Rinses
Water level: high
No of rinses: 2 or 3[3)]
Spinning
Rinse and interim spin[2)]: yes
Final spin: yes

Delicates

Main wash
Water level: high
Wash rhythm: Gentle action
Rinses
Water level: high
No of rinses: 3
Spinning
Rinse and interim spin[2)]: no
Final spin: yes

Silks

Main wash
Water level: medium
Wash rhythm: Silks
Rinses
Water level: medium
No of rinses: 2
Spinning
Rinse and interim spin[2)]: no
Final spin: yes

Woollens

Main wash
Water level: medium
Wash rhythm: Woollens
Rinses
Water level: medium
No of rinses: 2
Spinning
Rinse and interim spin[2]: yes
Final spin: yes

Quick wash

Main wash
Water level: low
Wash rhythm: normal
Rinses
Water level: medium
No of rinses: 2
Spinning
Rinse and interim spin[2]: yes
Final spin: yes

Mixed wash

Main wash
Water level: low
Wash rhythm: normal
Rinses
Water level: high
No of rinses: 2
Spinning
Displays[2]: yes
Final spin: yes

Starch

Water level: low
Wash rhythm: normal
Final spin: yes

Separate rinse

Water level: high
No of rinses: 2
Final spin: yes

Special features in the programme sequences:

[1] A third rinse takes place automatically if:

– there is too much foam in the drum
– a spin speed lower than 700 rpm has been selected.
– *Without spin* has been selected

[2] Rinse and interim spin:

There is a spin between the rinses.

[3] A third rinse is carried out if:

– *Without spin* has been selected

Omitting rinse and interim spin:

Select *Without spin* on the spin speed display.

Detergent

All modern detergents produced for automatic washing machines are suitable, including liquid, compact (concentrated), tablets, liquid tablets and special application detergents. Use dispensing aids, e.g. balls, if these are supplied with the detergent. Tablets are suitable for full loads but note that it may be impractical to reduce tablets for smaller loads. Some tablets do not dissolve as rapidly as others and may not be suitable for Quick wash programmes.

Woollens and knitwear containing wool mixtures and hand-washable garments should be washed using a detergent specifically designed for washing woollens.

Silk should be washed using a liquid detergent specifically designed for washing woollens. Do not use biological detergents on silk as the enzymes may damage the silk!

Instructions for use and recommended amounts for a full load are given on the detergent packaging.

Liquid detergent

Liquid detergent should be dispensed using a ball provided by the manufacturer for programmes without a pre-wash.

For programmes with a pre-wash you will need to purchase a special container from the Miele Spare Parts department which sits in the main wash compartment II of the detergent dispenser drawer. Add liquid detergent to this container for the main wash and to compartment I for the pre-wash.

The right amount to dispense will depend on the following:

- The quantity of laundry.
- The soiling level of the laundry.
  Lightly soiled
  No visible dirt or stains. Possibly slight body odour.
  Normally soiled
  Visibly dirty and/or just a few slight stains.
  Heavily soiled
  Stains and soiling clearly visible.
- The water hardness level.
  Check with your local water supplier if you do not know the water hardness level in your area.

Water softeners

A water softener can be used to cut down on the use of detergents in extremely hard water areas. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.
Use a quantity of detergent as for soft water.
Miele do not recommend connecting the machine to a household water softener.

Washing with several components

If you wash using several components (e.g. special application detergents), dispense them into compartment II in the following order:

1. Detergent
2. Water softener
3. Stain remover

This way the agents are distributed more efficiently.

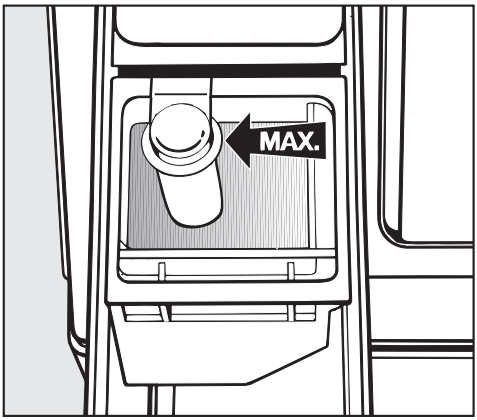
Fabric conditioners and liquid starch

Fabric conditioners make garments soft to handle and help prevent static cling when tumble drying.

Starch stiffens and gives body to items of laundry, e.g. shirts, tablecloths and bed linen.

- Dispense according to the amount specified on the packaging.

Automatic dispensing of fabric conditioner or liquid starch to laundry at the end of a programme



- Add the fabric conditioner or liquid starch to compartment ❀. **Do not exceed the maximum level mark.**

The conditioner or liquid starch is automatically dispensed in the last rinse. At the end of the programme a small amount of water remains in the fabric conditioner compartment ❀.

If starching frequently, the dispenser compartment and especially the siphon tube and conditioner channel will need regular cleaning to remove any residual starch. See "Cleaning the detergent dispenser drawer".
Do not add starch formulations or viscous liquid starch to the ❀ compartment as it will clog it up. See "Adding starch separately".

Adding fabric conditioner separately

- Add fabric conditioner to compartment ❀.
- Turn the programme selector to *Starch*.
- Select a spin speed.
- Press the *Start* button.

Adding starch separately

Use the separate *Starch* programme when using starch formulations or viscous liquid starch.

- Prepare and measure the starch in accordance with the manufacturer's instructions.
- Add starch to compartment II.
- Turn the programme selector to *Starch*.
- Select a spin speed.
- Press the *Start* button.

Colour run and dye removers/dyes

- Do not use colour run or dye removers in this washing machine.
- Dyes suitable for use in domestic washing machines can be used. However, please note that the salt used in the dyeing process can cause corrosion to stainless steel components in the machine if you dye frequently. Always observe the manufacturer's instructions carefully.

⚠ Disconnect the machine from the mains electricity supply and withdraw the plug from the socket before cleaning the machine.

- Clean the casing with a mild non-abrasive cleaning agent or with soap and water. Wipe dry with a soft cloth.
- Clean the fascia panel with a damp cloth and wipe dry with a soft cloth.
- The drum can be cleaned using a suitable proprietary stainless-steel cleaning agent.

E-Cloth

A microfibre "E-Cloth" is available from the Miele UK Spare Parts Department, Part number 98013530, which is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals. It can be washed 300 times.

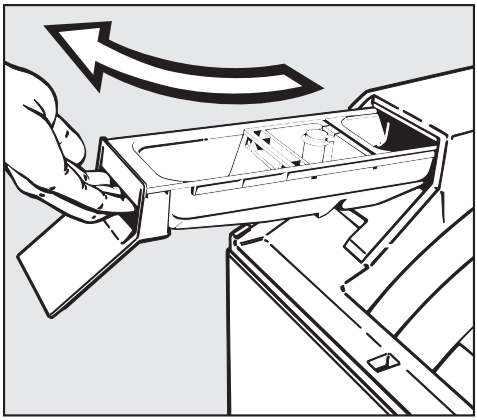
⚠ Do not use solvents, abrasive cleaners, glass cleaners or all-purpose cleaning agents. These might damage plastic surfaces and other components because of the chemicals they contain.
The washing machine must not be hosed down.

Extra cleaning

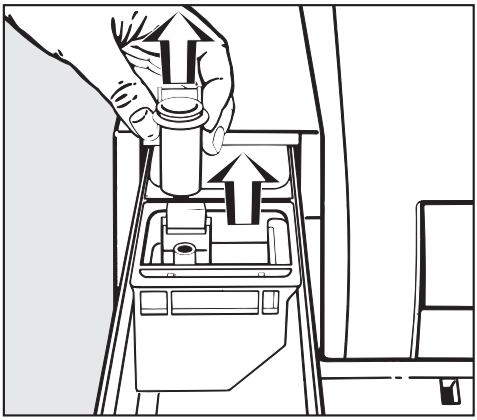
- Carry out a hot wash (70°C or above) with powder detergent approx. every 6 weeks to help prevent deposits building up in the machine. These can occur when washing is mainly done at low temperatures, and also lead to unpleasant smells. If you have no reason to wash occasionally at this high temperature, then run a Cottons 95°C programme with detergent but no laundry at regular intervals.

Cleaning the detergent dispenser drawer

Remove detergent residues regularly.



- Pull out the detergent dispenser drawer and remove.



- Pull out the conditioner insert and the siphon tube (see arrows).
- Clean the detergent dispenser drawer, conditioner insert and siphon tube under running warm water.
- Also clean the tube that the siphon tube sits over using warm water.

Over time, detergent residue can build up in the water jets in the top of the detergent drawer housing.

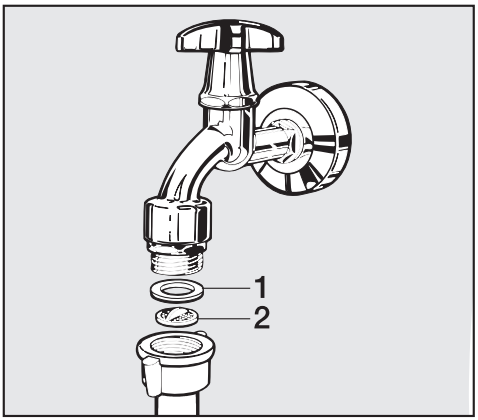
- Before replacing the detergent drawer, use a bottle brush or similar to clean them out.

Cleaning the filter in the water inlet

The washing machine has a filter to protect the water inlet valve.

The accessible filter in the union in the open end of the inlet hose should be checked every six months, or more often if there are frequent interruptions to the external water supply.

- First turn off the stopcock.
- Unscrew the threaded union connecting the free end of the inlet hose to the stopcock.



- Remove the rubber seal **1** from the recess.
- Using pointed pliers, take hold of the plastic filter bar **2** and remove.
- Clean the plastic filter.
- Put the filter and seal back in the reverse order and reconnect the hose.

Turn on the stopcock and check the connection is watertight. If water drips out, tighten the connection.

Never forget to put the filter back in place after cleaning.

With the help of the following notes, minor faults in the performance of the appliance, some of which may result from incorrect operation, can be put right without contacting the Service Department.

You should, however, note the following:

⚠ Repair work to electrical appliances should only be carried out by a suitably qualified person in accordance with local and national safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

The chart is divided into the following sections to help you:

– The programme does not start.
– The wash programme stops and a fault indicator light comes on.
– A fault indicator light comes on but the wash programme continues as normal.
– General problems or an unsatisfactory wash result.
– Problems with opening/closing or a "buzzing" sound

The programme does not start.

Problem	Possible cause	Remedy
The *Finish* indicator light is not on, or the *Start* indicator light is not flashing.	There is no power to the machine.	Check whether – the mains plug is plugged in and switched on. – the fuse or circuit breaker has tripped.
The programme does not start when *Drain/Final spin* has been selected.	The washing machine has not been prepared for using for the first time.	Prepare the machine as described in "Before using for the first time".

The wash programme stops and a fault indicator light comes on.

Problem	Possible cause	Remedy ❶
The *Check drain* light flashes.	The water outlet is blocked.	Clean the fluff filter and the drain pump as described in "Problem solving guide – Opening the lid in the event of a blocked water outlet and/or a power failure".
	The drain hose has been fixed too high.	The maximum drain height is 1 m.
The *Check inlet* light flashes.	The water inlet is blocked.	Open the stopcock.
	The filter in the water inlet hose is dirty	Clean the filter.
The *Soak/Pre-wash* or *Rinses* indicator light is flashing.	There is a fault.	Start the programme again. If the fault indicator occurs again, contact the Miele Service Dept.

❶ To switch off the fault indicator: turn the washing machine off with the *I-ON/0-OFF* button and turn the programme selector to *Finish*.

A fault indicator light comes on but the wash programme continues as normal.

Problem	Possible cause	Remedy ❶
The *Check drain* light flashes.	The drain outlet is restricted.	Clean the fluff filter and the drain pump as described in "Problem solving guide – Opening the lid in the event of a blocked water outlet and/or a power failure".
The *Check inlet* light flashes.	The water inlet is restricted.	Check whether – the stopcock is opened wide enough. – the inlet hose is kinked.
	The filter in the water inlet hose is dirty	Clean the filter.
The *Excess detergent* light is flashing.	Excessive foam has built up during washing.	Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.
The *Main wash* indicator light is flashing in the programme sequence display.	There is a fault.	Start the programme again. If the fault indicator occurs again, contact the Service Department.
The *Finish* indicator light is flashing in the programme sequence display.	The position of the programme selector was altered after the start of the programme. Turn the programme selector back to the programme previously chosen.	

❶To switch off the fault indicator: turn the washing machine off with the *I-ON/0-OFF* button and turn the programme selector to *Finish*.

Problem solving guide

General problems or an unsatisfactory wash result.		
Problem	**Possible cause**	**Remedy**
The machine shakes during the spin cycle.	The transport base lever has not been moved over to the left.	Push it over to the left.
The laundry is not spun satisfactorily.	The spin speed selected was too low.	Select a higher spin speed for the next wash programme.
The pump makes strange noises.	This is not a fault! These noises occur at the end of a pump sequence as a normal part of the operation.	
Large amount of detergent residues remain in the detergent dispenser drawer.	The water pressure is too low.	– Clean the filter in the water inlet. – Press the *Water plus* button.
	Powder detergent used in conjunction with water softeners tends to become sticky.	In future add washing powder into the dispenser drawer first, and then add the water softener.
Fabric conditioner is not completely dispensed or too much water remains in the ❀ compartment.	The siphon tube is not correctly positioned, or is clogged up.	Clean the siphon, (see "Cleaning and care" - "Cleaning the detergent dispenser drawer").
A stale smell is in the drum and on laundry.	Low temperature washing.	Before washing the next load run a *Cottons 95°C* programme with powder detergent but without a load. (See also "Extra cleaning" in Cleaning and Care).
When laundry is dry it feels hard to the touch.	Too vigorous wash action.	Programme in gentle action and more water.
	Not enough detergent used.	Increase detergent dose to prevent limescale build up in laundry.
	No fabric conditioner used.	Use fabric conditioner in last rinse.

Problem	Possible cause	Remedy
Liquid detergent does not give the required result.	Liquid detergents usually contain no bleaching agents. They do not remove fruit, coffee and tea stains.	– Use a general purpose detergent containing a bleaching agent. – Pour stain removers into compartment II of the dispenser drawer and liquid detergent into a dispenser ball. – Never put stain removers and liquid detergent together in the dispenser drawer.
Grey, greasy particles cling to washed laundry.	Insufficient amounts of detergent have been used to break down the particles of grease in heavily soiled laundry.	– Use more detergent. – Before washing the next load run a *Cottons 95°C* programme with powder detergent but without a load.
White residues which look like powder detergent are seen on dark textiles after washing.	The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. They have ended up on the laundry.	– Try and brush off the residues with a soft brush once the laundry is dry. – Wash dark textiles using a detergent which contains no zeolites. Liquid detergents usually contain no zeolites.
Foam is coming out of the appliance.	Excessive foam has built up during washing.	Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.
Clothes are coming out creased.	Programme was overloaded.	Reduce quantity of clothes in drum.
	The wrong programme was used.	– Check care labels. – Use easy iron conditioners.

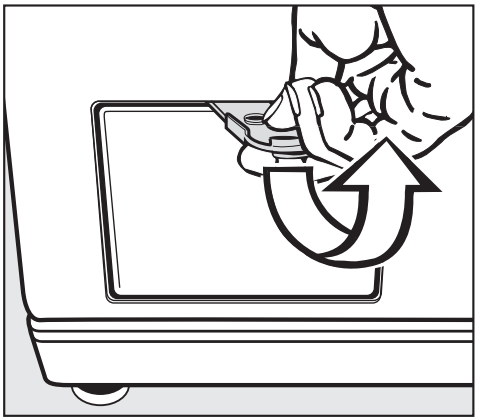
Problems with opening/closing or a "buzzing" sound

Problem	Possible cause	Remedy
The drum opening is not in the upper position.	An imbalance has prevented automatic drum positioning.	Turn the drum by hand to the correct position. Always mix large and small items in a load to avoid imbalance. Mixing both large and small items in the load gives better wash results and also helps distribute the load evenly to keep the machine stable and reduce the noise level during spinning.
The outer lid cannot be opened.	The machine is not connected to the electricity supply.	Insert the plug in the socket and switch on.
	The machine is not switched on.	Switch the machine on with the *I-ON / 0-OFF* button.
	Power cut.	Open the lid as described at the end of this section.
	For safety reasons the lid cannot be opened if the suds temperature is higher than 55°C.	

Problem	Possible cause	Remedy
The outer lid cannot be opened and there is a "buzzing" sound. The *Rinse hold and Without spin* indicator lights are flashing alternately.	Press the lid button once. The drum will now rotate until it is in the correct position for opening.	When the indicator lights *Rinse hold/Without spin* have stopped flashing, – press the *Lid* button again and open the lid.
The *Excess detergent* check light is flashing rapidly and the programme does not start.	The inner lid is not closed.	Open the outer lid and close the inner lid properly (the inner lid lock must engage properly).
There is a "buzzing" noise once the programme has started or when laundry is being loaded into the machine.	Automatic drum positioning is disengaging or engaging.	This noise is part of normal operation and does not indicate a fault.

Opening the lid in the event of a blocked drain outlet and/or power failure

- Switch the washing machine off.



- Use the yellow lever to open the access flap.

Blocked drain outlet

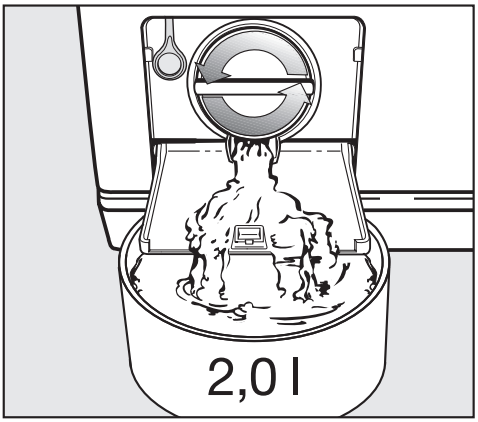
If the drain outlet is blocked, up to 25 litres of water will be retained in the machine.

⚠ Caution: if laundry has been washed at a high temperature, water draining out of the machine will still be hot. Danger of scalding!

Procedure for draining the machine

- Place a suitable container under the access flap.

When draining water from the machine, do **not** unscrew the fluff filter completely or take it right out.

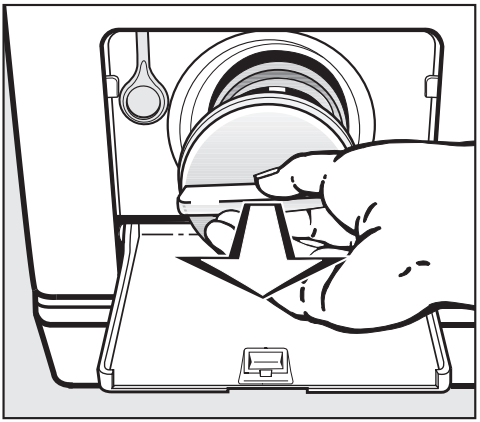


- Unscrew the fluff filter lid until water runs out.

To stop the flow of water:

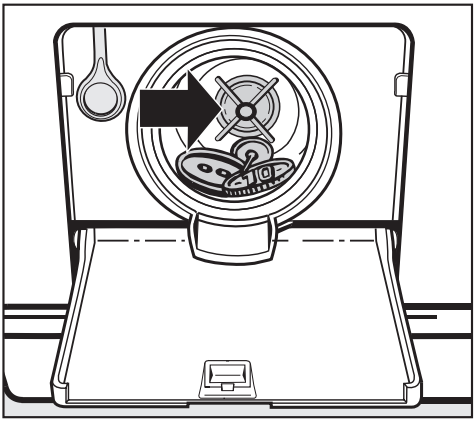
- Tighten the fluff filter back up again.

Once the flow of water ceases:



- Remove the fluff filter completely.

■ Clean the fluff filter thoroughly.



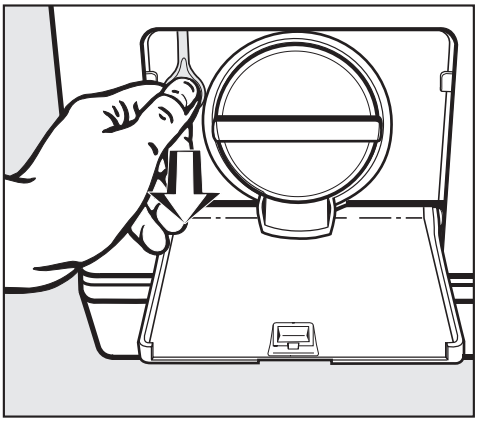
■ Check that the impeller can turn easily. Remove any foreign objects (e.g. buttons, coins, etc.) and fluff. Clean the fluff filter housing.

■ Put the fluff filter back in place and secure.

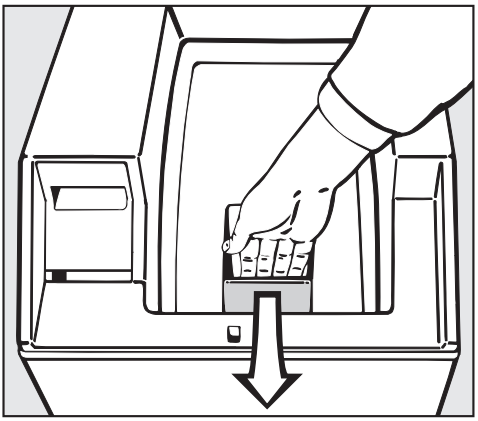
⚠ Make sure it is securely tightened. Otherwise there is a risk of water leakage during use.

Open the lid

⚠ Always make sure that the drum is stationary before reaching into the machine to remove laundry. Reaching into a moving drum is extremely dangerous.



■ Pull the emergency release downwards until the machine outer lid opens.



■ Open the inner lid.

After Sales Service

In the event of any faults which you cannot remedy yourself, please contact

– Your Miele Dealer or

– The Miele Service Department (see back cover for address).

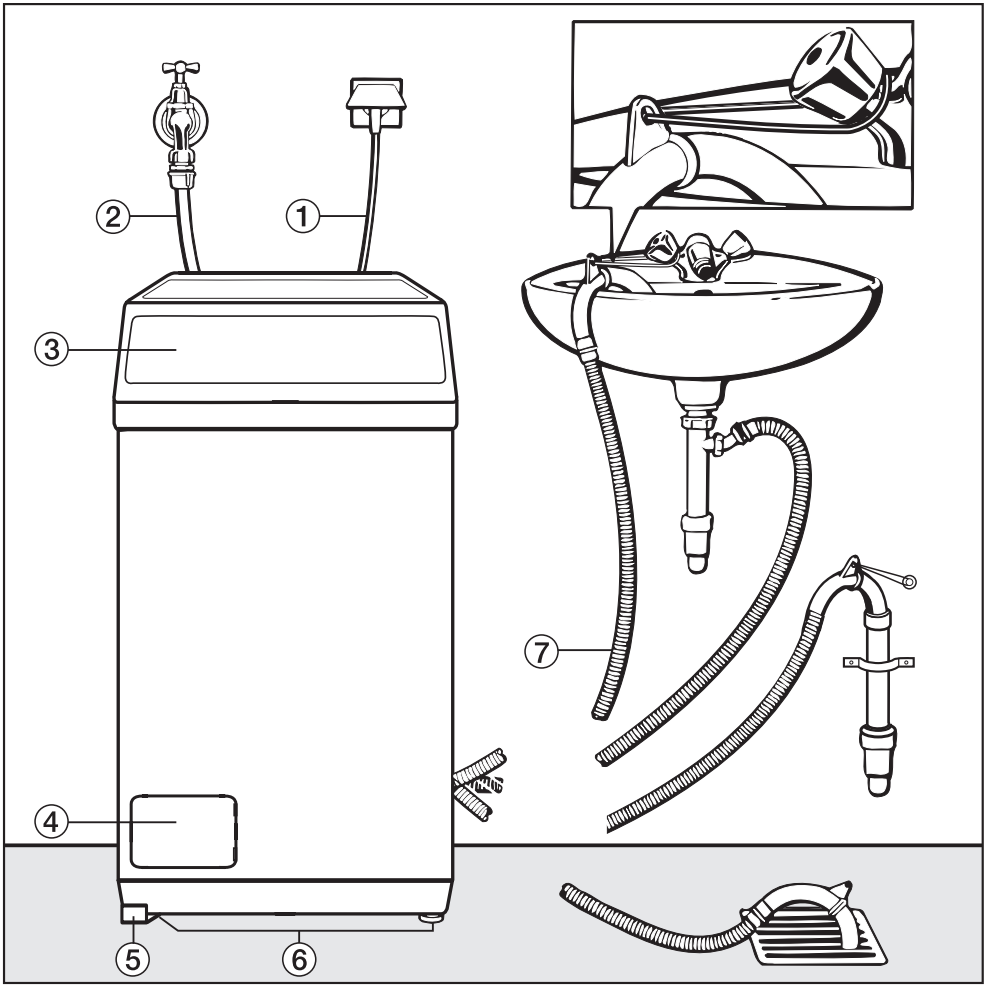
When contacting your Miele Dealer or the Service Department, please quote the model and serial number of your appliance, both of which are shown on the data plate on the rear of the washing machine.

Please note that telephone calls may be monitored and recorded to improve our service.

Optional accessories

Optional accessories for this washing machine are available from your Miele Dealer or from the Miele Spare Parts Department.

Front view



① Mains connection cable

② Inlet hose

③ Lid with fascia panel

④ Access to fluff filter, drain pump and emergency release

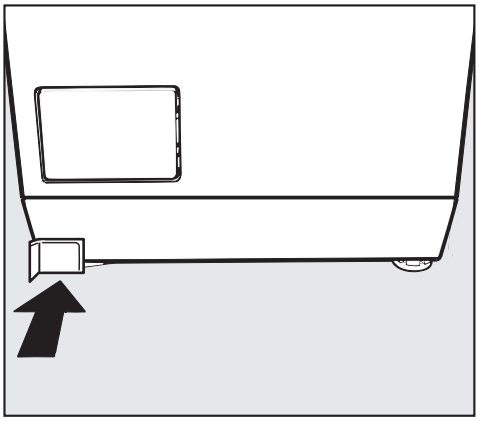
⑤ Transport base lever

⑥ Feet

⑦ Flexible drain hose with detachable swivel elbow

Transport base

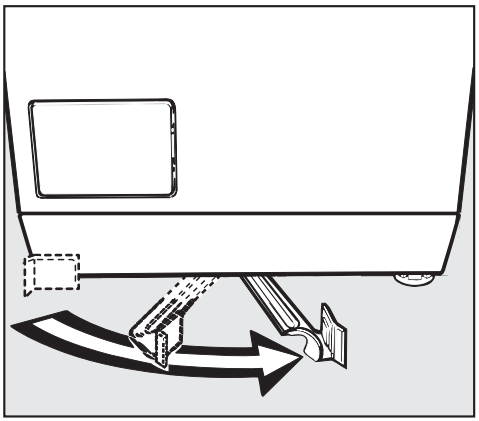
This washing machine is fitted with a transport base to allow it to be moved around.



Push the lever over to the left when using the machine

Only then is the stability of the machine guaranteed.

⚠ If the lever is not in the left position, the washing machine can move about during washing and spinning and cause a lot of damage.

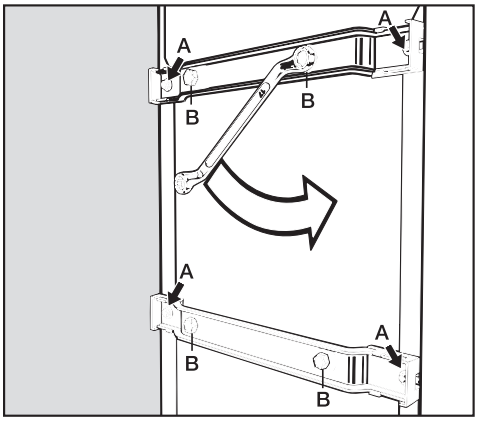


Push the lever over to the right when moving the machine from one place to another

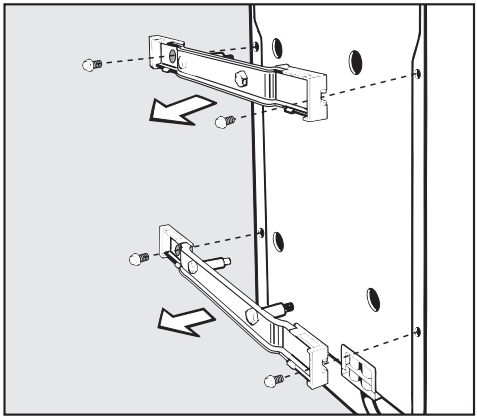
⚠ Do not use force to manoeuvre the machine over obstacles e.g. in doorways. The maximum floor clearance is 8 mm. The transport base could get stuck and be damaged.

Removing the transit fittings

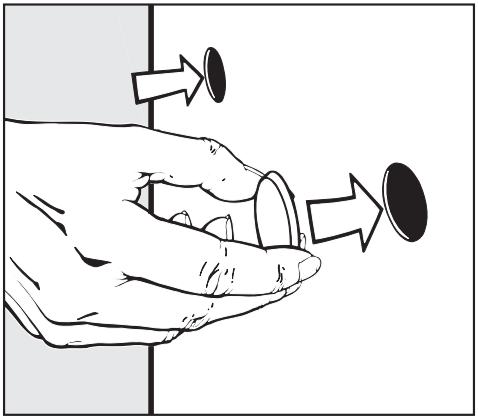
- Remove the packaging and position the washing machine where you want to use it.



- Unscrew and remove the 4 outer screws marked **A**.
- Unscrew the 4 screws marked **B**. These screws must then be left on the transit bars (see illustration).



- Remove the transit bars.



- Plug the 4 large holes with the caps supplied.

The transit bars and screws should be stored in a safe place for future use. They need to be re-fitted if the machine is ever moved again (e.g. when moving house).

Re-fitting the transit fitting

- Re-fitting is carried out by reversing the procedure given above.

Installation surface

A concrete floor is the most suitable installation surface for a washing machine. It is far less prone to vibration during the spin cycle than wooden floorboards or a carpeted surface.

⚠ Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.

To avoid vibrations during spinning the machine should not be installed on soft floor coverings.

- Remove the transit fittings as described on the previous page.
- Level the machine.

It needs to stand perfectly level on all four feet to ensure safe and proper operation.

Do not unscrew the machine feet as this would prevent the machine from being moved around easily.

If installing on a wooden joist floor:

– We recommend a plywood base (at least 60 x 45 x 3 cm). The base should span several joists and be bolted to the joists and not only to the floorboards. Check for the presence of pipes and cables first.

– If possible, install the machine in a corner, as this is usually the most stable part of the floor.

The Miele water protection system

The Miele water protection system protects the washing machine from water damage.

The system consists of three main components:

1) the inlet hose

2) the electronic unit and the washing machine housing

3) the drain hose

1) Inlet hose

– The inlet hose can withstand pressure of more than 70 bar.

2) Electronic unit and washing machine housing

– Overflow protection

This prevents the washing maching taking in too much water. If the water level exceeds a certain level, the drain pump switches in and pumps the excess water away.

– Water intake monitoring

The electronic unit monitors the washing machine's water intake times. If the correct water level is not reached after a certain amount of time, the programme will be interrupted. The water inlet valves will be closed and water in the machine pumped away.

3) Drain hose

The drain hose is protected by a ventilation system which prevents the washing machine from being emptied completely.

Connection to the water supply

The machine should be connected to a mains water supply in accordance with local and national safety regulations. The German authorities do not require it to have a non-return valve as the washing machine has been designed to comply with DIN regulations.

The machine is designed to operate with a flow pressure of between 1 and 10 bar. If it is higher than 10 bar it is essential to fit a reducer valve.

Connection to the mains water supply should incorporate a mains stopcock with $^3/_4$" thread. The stopcock should be fitted by a qualified plumber.

⚠ The connection point is subject to mains water pressure. Turn on the stopcock slowly and check for leaks. Correct the position of the washer and union if appropriate.

The washing machine is **not** suitable for connection to a hot water supply and connection to a household water softener is not recommended.

Maintenance and care

Only use a genuine Miele hose should you ever need a replacement or extension. These are tested to withstand pressure of at least 70 bar.

The dirt filter in the union at the open end of the inlet hose must not be removed.

Connection to the drainage system

The machine drains via a drain pump with a delivery head of 1 metre. The 1.5 metre long drain hose must not be kinked as this would restrict drainage. The swivel elbow at the end of the hose can be turned in either direction, or can be detached if required, with a sharp twist and pull.

Drain hose connection:

1. Direct into a sink.

– Hook the hose over the edge and secure.

– Make sure that the water can drain away freely without hindrance. Otherwise there is a risk of water overflowing or of some of the drained water being sucked back into the machine.

2. Connected securely to a plastic drain pipe with a rubber nipple. There is no need to use a non-return valve.

3. Connected securely to a standpipe.

4. Connected securely to a floor gully.

If required the drain hose can be extended to a length of 5 metres. The necessary parts can purchased from the Miele Spare Parts Department or your Miele dealer.

Electrical connection U.K.

All electrical work should be carried out by a suitably qualified and competent person, in strict accordance with national and local safety regulations.

Ensure power is not supplied to the appliance until after installation work has been carried out.

The appliance is supplied with a mains cable with moulded plug ready for connection to a 230-240V mains supply. **The voltage and connected load are given on the data plate**. Please ensure these match the household mains supply. The fuse rating is quoted on the plug.

Connection should be made via a suitable switched socket which is easily accessible after installation.

For extra safety it is advisable to install a residual current device (RCD), with a trip current of 30 mA (in accordance with DIN VDE 0664, VDE 0100 Section 739).

Do not connect via an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

Non-rewireable plugs BS 1363

The fuse cover must be refitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of plug fitted).

Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuses and fuse covers may be purchased from your local electrical supplier.

WARNING: THIS APPLIANCE MUST BE EARTHED

	Load	Consumption data			
		Energy	Water	Duration	
		in kWh	in litres	normal	Intensive
Cottons					
95°C	5.0 kg	1.70	45	1 h 38 min	1 h 53 min
60°C[1)]	5.0 kg	0.95	45	-	1 h 59 min[1)]
60°C	5.0 kg	0.95	45	1 h 29 min	1 h 59 min
40°C[1)]	5.0 kg	0.50	45	-	1 h 59 min[1)]
40°C	5.0 kg	0.50	45	1 h 29 min	1 h 59 min
Minimum Iron					
40°C[1)]	2.5 kg	0.45	49	-	1 h 16 min[1)]
40°C	2.5 kg	0.45	49	1 h 01 min	1 h 16 min
Delicates					
30°C	1.0 kg	0.35	65	49 min	59 min
Silks					
30°C	1.0 kg	0.24	39	37 min	-
Woollens					
30°C	2.0 kg	0.23	35	40 min	-

[1)]EN 60456 test programme

Note for test institutes:

For testing in accordance with EN 60456 **you must** use the *Intensive* option.

Consumption data can vary from the nominal values given depending on water pressure, water hardness, water inlet temperature, room temperature, type and volume of load, fluctuations in the electricity supply and any additional options selected.

N.B. Consumption data above was obtained from a machine tested in Germany.

Technical data

Height	90 cm
Height with lid open	139 cm
Width	45 cm
Depth	60 cm
Weight, empty	99 kg
Capacity	5 kg dry laundry
Voltage	see data plate
Connected load	see data plate
Fuse rating	see plug
Consumption data	see "Consumption data" section
Water flow pressure min.	100 kPa (1 bar)
Static water pressure max.	1,000 kPa (10 bar)
Inlet hose length	2.50 m
Drain hose length	1.50 m
Connection cable length	2.40 m
Drain pump head height max.	1.00 m
Drain pump length max.	5.00 m
Test certificates awarded	VDE, radio and television suppressed

Programmable functions for changing standard settings

The programmable functions can be used to tailor washing programmes to suit your individual requirements.

The programmable functions are activated with the help of the *Start* button and the programme selector.

Water plus system

Selecting the *Water plus* additional option increases the water intake in the programmes listed below.

The water intake is increased in the wash and rinse stages and in the *Cottons* and *Minimum iron* programmes an extra rinse cycle is introduced.

There are four different settings which can be programmed to alter the water intake for the following programmes:

– Cottons

– Minimum iron

– Quick wash

– Mixed wash

– Silks

The programmed setting is then activated by pressing the *Water plus* additional option button.

The settings are as follows:

Setting 1:

an increase in the rinse water level for the programmes listed.

Setting 2:

an increase in the water level in the main wash and rinses for the programmes listed (the washing machine is delivered with setting 2 programmed as standard).

Setting 3:

an extra rinse in the *Cottons* and *Minimum iron* programmes.

Setting 4:

an increase in the water level in the main wash and rinses for the programmes listed and also an extra rinse cycle in the *Cottons* and *Minimum iron* programmes.

This setting should be programmed in if laundry is too hard after drying and if someone in the household suffers from a detergent allergy.

Follow steps ❶ to ❼ to programme and store in memory.

Before you begin, first ensure that:

– The washing machine is switched off.

– The machine is properly closed.

– The programme selector is at *Finish*.

❶ Press the *Start* button and keep it pressed in whilst carrying out steps ❷ to ❸.

❷ Switch the machine on with the *I-On/0-Off* button.

❸ Wait until the *Start* indicator light comes on . . .

❹ . . . and then release the *Start* button.

❺ Turn the programme selector to the *Cottons 75°C* position:

The *Soak/Pre-wash* sequence indicator light will briefly flash twice in 2 second intervals, to show that factory Setting 2 is stored in memory.

❻ Each subsequent press on the *Start* button selects a different setting (see list on previous page).

The *Soak/Pre-wash* sequence indicator light will flash:

– **x 1** = Setting 1

– **x 2** = Setting 2

– **x 3** = Setting 3

– **x 4** = Setting 4

❼ Switch the machine off with the *I-On/0-Off* button.

The *Water plus* button has now been allocated the setting you have chosen. This setting will remain in memory until another setting is programmed.

Gentle action

Activating gentle action reduces the drum action and is suitable for washing slightly soiled articles more gently. It should be activated for garments with a single bar under the care label and for articles which feel too hard after they have been dried.

Gentle action can be used with the *Cottons*, *Quick wash*, *Starch* and *Mixed wash* programmes.

If "Gentle action" is programmed into the machine, every wash cycle in these programmes will be carried out with gentle action rhythm.

The washing machine is delivered with "Gentle action" de-activated.

Follow steps ❶ to ❼ to programme and store in memory.

Before you begin, first ensure that:

– The washing machine is switched off.

– The machine is properly closed.

– The programme selector is at *Finish*.

❶ Press the *Start* button and keep it pressed in whilst carrying out steps ❷ to ❸.

❷ Switch the machine on with the *I-On/0-Off* button.

❸ Wait until the *Start* indicator light comes on . . .

❹ . . . and then release the *Start* button.

❺ Turn the programme selector to the *Cottons 60°C* position:

If the *Soak/Pre-wash* sequence indicator light:

does not flash = Gentle action **has not been activated**.

flashes = Gentle action **has been activated**.

❻ Press the *Start* button to activate or deactivate the Gentle action option.

❼ Switch the machine off with the *I-On/0-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Top-up rinse for Cottons

When this is activated, additional water flows into the drum at the end of the main wash to cool the suds down. Hot suds can damage plastic drainage pipes.

Top-up rinse takes place when temperatures of 95°C and 75°C are selected.

Top-up rinse should be activated:

– to prevent the danger of scalding if the drain hose is hooked over the edge of a sink or basin.

– where the drainage pipes do not comply with DIN 1986.

The washing machine is delivered with the Top-up rinse for *Cottons* deactivated.

Follow steps ❶ to ❼ to programme and store in memory.

Before you begin, first ensure that:

– The washing machine is switched off.

– The machine is properly closed.

– The programme selector is at *Finish*.

❶ Press the *Start* button and keep it pressed in whilst carrying out steps ❷ to ❸.

❷ Switch the machine on with the *I-On/0-Off* button.

❸ Wait until the *Start* indicator light comes on . . .

❹ . . . and then release the *Start* button.

❺ Turn the programme selector to the *Cottons 40°C* position:

If the *Soak/Pre-wash* sequence indicator light:

does not flash = the Top-up rinse for Cottons **has not been activated**.

flashes = the Top-up rinse for Cottons **has been activated**.

❻ Press the *Start* button to activate or deactivate the Top-up rinse for *Cottons* option.

❼ Switch the machine off with the *I-On/0-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Memory function

If an additional option(s) is selected for a programme, and / or the spin speed is altered, the machine stores these changes in memory at the start of a programme.

When that particular programme is chosen again, the display will show the additional option(s) and / or spin speed which have been stored for that programme in the memory.

The washing machine is delivered with the memory function deactivated.

Follow steps ❶ to ❼ to programme and store in memory.

Before you begin, first ensure that:

– The washing machine is switched off.

– The machine is properly closed.

– The programme selector is at *Finish*.

❶ Press the *Start* button and keep it pressed in whilst carrying out steps ❷ to ❸.

❷ Switch the machine on with the *I-On/0-Off* button.

❸ Wait until the *Start* indicator light comes on . . .

❹ . . . and then release the *Start* button.

❺ Turn the programme selector to the *Cottons* 30°C position:

If the *Soak/Pre-wash* sequence indicator light:

does not flash = the Memory function **has not been activated**.

flashes = the Memory function **is activated**.

❻ Press the *Start* button to activate or deactivate the Memory function option.

❼ Switch the machine off with the *I-On/0-Off* button.

The setting you have selected is now stored in memory and will remain so until you alter it.

Soak

A length of time of between 30 minutes and 2 hours can be programmed in 30 minute increments for the soak process.

If the soak button is pressed the selected soak time will be carried out for the period selected before the wash programme is run.

The machine is set as standard to a two hour soak time.

Follow steps ❶ to ❼ to programme and store in memory.

Before you begin, first ensure that:

– The washing machine is switched off.

– The machine is properly closed.

– The programme selector is at *Finish*.

❶ Press the *Start* button and keep it pressed in whilst carrying out steps ❷ to ❸.

❷ Switch the machine on with the *I-On/0-Off* button.

❸ Wait until the *Start* indicator light comes on . . .

❹ . . . and then release the *Start* button.

❺ Turn the programme selector to the *Minimum iron 60°C* position:

The *Soak/Pre-wash* sequence indicator light will briefly flash once every 2 seconds, to show that a soak time of 2 hours is stored in memory.

❻ Each subsequent press on the *Start* button selects a different setting.

If the *Soak/Pre-wash* sequence indicator light:

– **flashes x 1** = the soak time is 2 hours (default setting)

– **flashes x 2** = the soak time is 1 hour 30 minutes

– **flashes x 3** = the soak time is 1 hour

– **flashes x 4** = the soak time is 30 minutes

❼ Switch the machine off with the *I-On/0-Off* button.

The *Soak* button has now been allocated the setting you have chosen. This setting will remain in memory until another setting is programmed.

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